EDR MPEG4 series Firmware Version 1.6 / 1.65 Release Note

1.60 Release Date: 20.03.2008
1.65 Release Date: 21.07.2008

CHANGES / FEATURES 1.6

1. Bidirectional audio transmission in network (for DVR models with audio support only)
2. DVR configuration via Internet Explorer
3. Support for remote firmware update via network
4. PTZ via network: in "continuous mode" camera moves as long key is pressed
5. Possibility to assign output relay to recording function
6. System error output contact
7. Input contact for playback function
8. Permanent alarm mode with operator acknowledge for alarm in, HDD OFF, HDD full
9. Search menu: Filter for camera and time period added for easier event search
10. Copy menu: Calculator for export file size and display of available media capacity added
11. Copy menu: possibility to export all channels to one export file
11. Copy menu: export time limit removed, copy function will automatic create multiple files for export of longer time periods
12. Motion detection: Filter function for reducing false alarm, created by noise ("Motion delay")
13. Event management: option to assign event reactions such as buzzer, e-mail... to timer T1~T8
14. Remote relay switching: option to block remote relay switching by network (if relays are used for internal alarm functions)
15. Recording settings: If recording settings (such as resolution) are changed in menu, it is not required anymore to stop record.
16. Event list: Events for swapping HDD added (S01: swap to HDD1, S02: swap to HDD2)
17. Camera-, Motion-, Videoloss-, Alarm-menu: direct access of camera/alarm by using channel keys
18. Network remote access: additional user right level with user rights for configuration

CHANGES / FEATURES 1.65

1. Problem with live-transmission in low-bandwidth networks (in FW 1.6) fixed
2. Word corrections in several languages.
3. EverFocus free DDNS service added in NETWORK menu.

KNOWN LIMITATIONS

1. During "all-channel" export function record will be stopped (with automatic recovering record after export procedure).
2. For playback/evaluation of "all-channel" arv-files the EverFocus HDD player version 2.3.2 is needed (free download at EverFocus web pages)
3. After update to FW 1.6 it is mandatory to delete HDD´s , make sure that all existing important video data are saved / exported before update.
4. It is not possible to edit the IP - configuration by the management software PowerCon 4.

UPDATE PROCEDURE

- save file edrxxx.etw/edvrxxx.etw to USB-stick, keep original file name
- MENU > SYSTEM > SYSTEM UPDATE > YES , procedure takes some minutes

ATTENTION: Do not switch off power during update procedure!

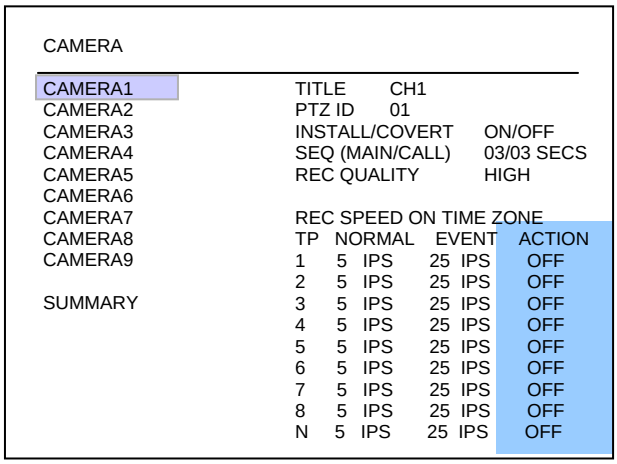
- after message "SUCCESS" restart DVR
- MENU > SYSTEM > LOAD DEFAULT (required after update, otherwise malfunction may appear)
- after message "SUCCESS" restart DVR
- delete Hard Disks after update

Changes to version 1.4.3.9. /1.03.9

In CAMERA, MOTION, ALARM, VIDEOLOSS new:

The listed items on left side in this menu (cameras, alarms) can be selected also by pressing a camera channel key.

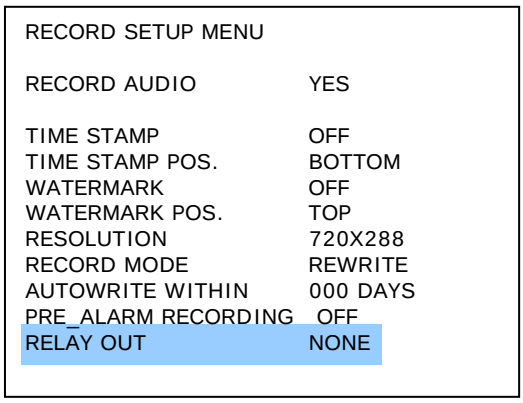
In CAMERA menu:



It is possible now to assign the event actions to schedules (in former FW event actions worked independent from schedule)

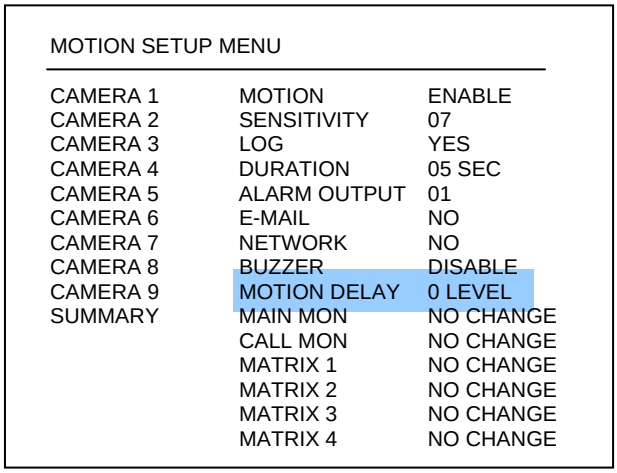
ACTION Switch for activating/blocking event related actions (relay, buzzer, email....) in this time period. The change of recording rate is not affected by this setting.
ON: Event reactions active
OFF: Event reactions blocked

In RECORD menu:



A relay output can be assigned to recording function. If programmed, relay is active as long as recording is active. Any interrupt of recording including power loss will release the relay.

In MOTION detection:

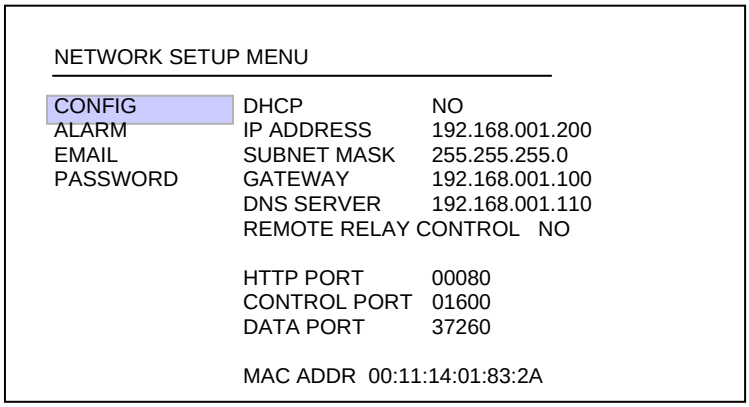


MOTION DELAY ... LEVEL: Filter for reducing false alarms in motion detection.

0: Filter OFF

1~7: A motion will only create motion alarm if there is a repeated detection in the defined time period. The setting for level defines this time period. Each step adds 0,3 seconds. (level 1: 0,3 s, level 2: 0,6 s, ... level 7: 2,1 s)

In NETWORK menu:



Network access to DVR provides also remote relay output switching. To avoid remote switching of relays, which are used for internal alarm functions, this remote relay access can be blocked in NETWORK menu.

REMOTE RELAY CONTROL: YES/NO

YES: DVR relay outputs can be switched by network remote access.
NO: Remote access to DVR relay by network is blocked.

In **PASSWORD** an additional user right level is added with user rights for remote configuration:
LIVE: only live view is possible
PLAY: live and playback view is possible, playback search
ADMIN: all user rights including remote configuration

In WARNING menu

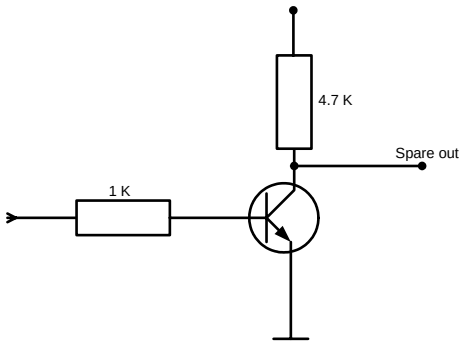
For the events "HDD off" and "HDD full" the alarm duration mode "PERMANENT" is added.

Inputs / Outputs

SYSTEM ERROR OUTPUT

SPARE_OUT: System error output. TTL-level 5VDC with status "System Okay".
The contact will switch to open state, if one (ore more) of below listed events appears:

a) HDD full (if overwrite mode in RECORD menu is set to STOP)
b) No HDD
c) Overtemperature HDD
d) Power Loss
e) Cooler fan fault
f) Video Loss
g) Record off



Output level:
HIGH (5 V DC): System okay
Open state: System error

PLAYBACK SWITCH INPUT

SPARE_IN: N.O. Control input for playback function, playback with closed contact

In SEARCH menu

SEARCH MENU

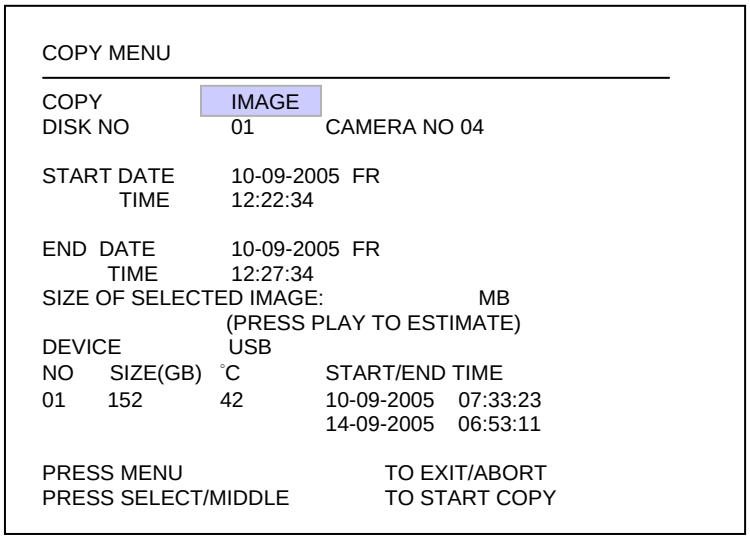
METHOD	EVENT
Start DATE	11-09-2005 FR
TIME	00:33:23
END DATE	12-09-2005 FR
TIME	12:27:34
EVENT	A/M/V
CAMERA	ALL
DISK NO	01

NO	SIZE(GB)	˚C	START / END TIME
01	152	42	10-09-2005 07:33:23
			14-09-2005 06:53:11

PRESS MENU TO EXIT
PRESS SELECT/MIDDLE TO START SEARCH

The EVENT search supports filter function for start and end time, event type and camera now.

In COPY menu



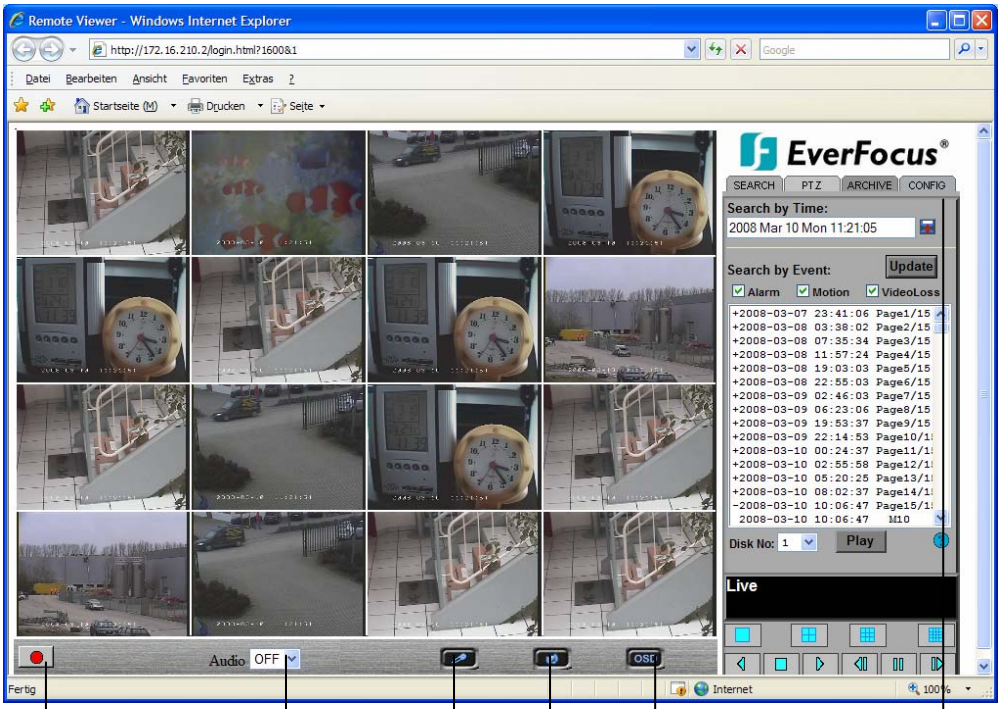
New features:

CAMERA: **1 ~9 (16):** Number of the camera channel from which the video is to be exported.
ALL: *Multi - camera export. All available cameras will be exported to an *.ARV file.*
ATTENTION: For playback of Multi-camera export files is the "EverFocus HDD player" Vers. 2.3.2 or higher required. The ARV- viewer software of the DVR does not support multi-camera export files.

SIZE OF SELECTED IMAGE ... MB: By pressing PLAY - key the required capacity on the export medium will be calculated. Depending on the selected Start/End time and recording settings this procedure may take several minutes.

DEVICE USB ... MB: Available free capacity at export medium.

New Web browser Screen

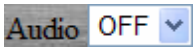


1. DVR record
2. Audio selector
3. Speak - button
4. Relay switch
5. OSD ON / OFF
6. CONFIG - tab

1) **DVR record status / switch**

The red light at the button indicates, that RECORD function is active at the DVR. with RECORD off the light goes dark.
Users with ADMIN user rights can switch the record function ON/OFF. For users with "PLAY" and "LIVE" user rights the function is blocked.

Status: Record on Record off

2)  **Audio selector**

Selection of the DVR audio channel, the number of channels depends on the DVR type.

3) **Speak button**
By clicking (and holding mouse key) an audio stream (from microphone or other audio source on client PC) will be send to the DVR audio output. During speaking the local audio inputs at the DVR are switched off at DVR audio out.

4) **Relay switch**

This button switches output relay one of the DVR. The button is latched, each click switches ON or OFF.

Status: Relay off Relay on

5) **OSD switch**

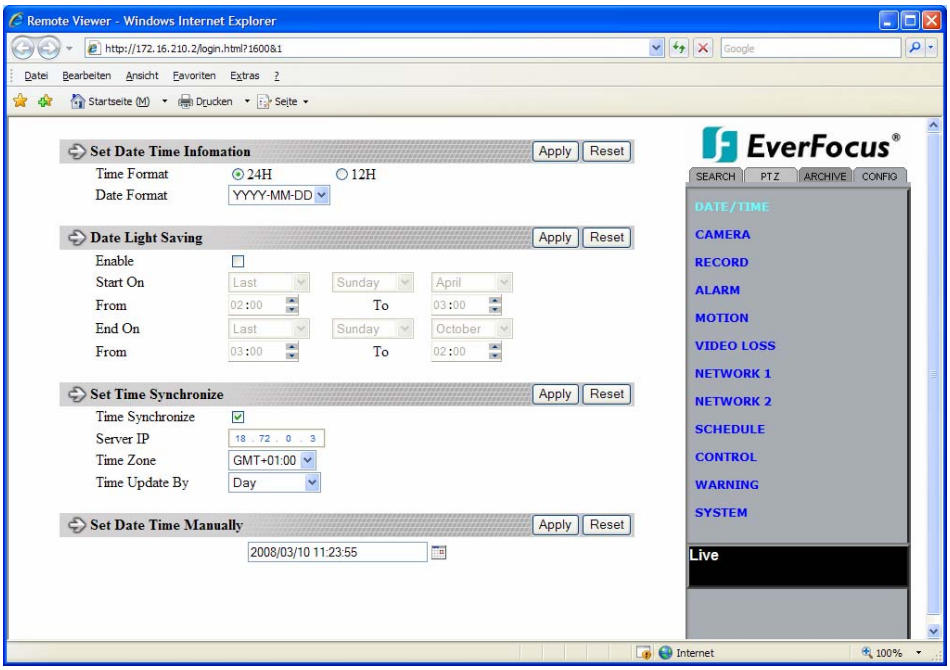
This button switches the display of channel, time/date in the channels on and off.

OSD off

OSD on

6. **CONFIG - tab**

The FW 1.6 supports setup of the DVR by web browser. With click at the CONFIG-tab appears the configuration screen:



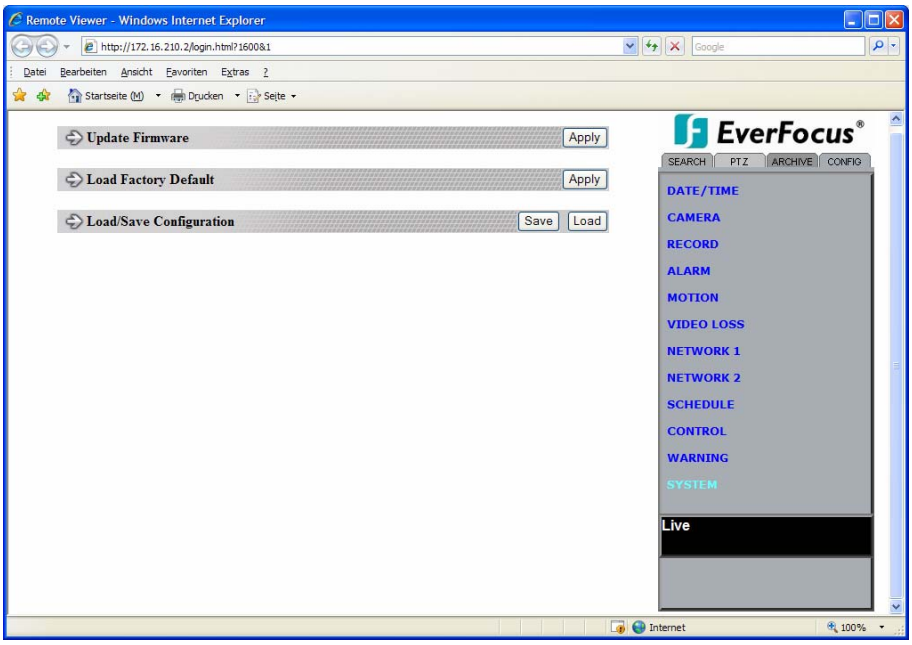
The details of the settings depend on the DVR model. Please consult the DVR manual for details.
Changing critical parameters such as basic IP adress settings, local user rights and others is not possible in remote configuration.

7. **Remote Firmware Update**

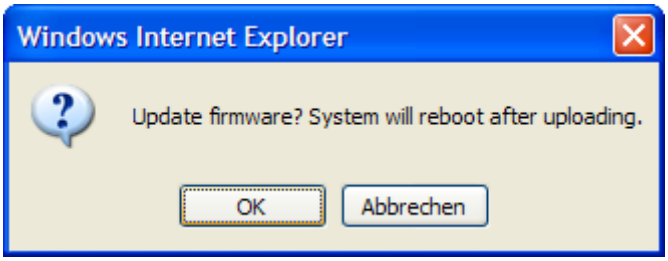
A new feature in firmware 1.6 is the remote firmware update and configuration up-/download.
Any firmware update requires a loading of default settings after update.
It is possible to save the current configuration by using the "Load/Save Configuration" function.
This file can be used to upload the file again to the DVR after loading defaults.
Alternative the settings can be entered manually.

NOTE: The remote firmware update requires a stable and fast network connection. An interrupt in firmware file transmission may corrupt the DVR. Do not use low bandwidth connections.

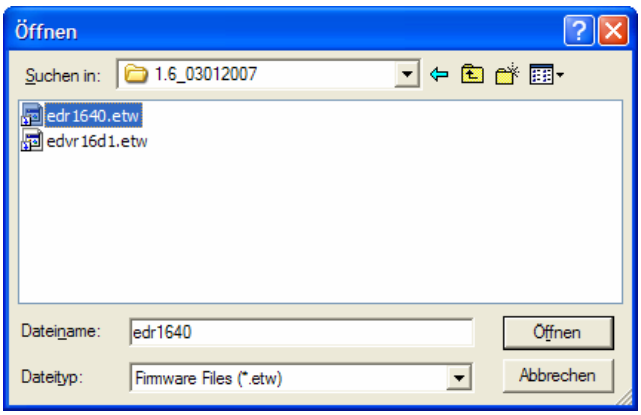
Update procedure:
Go to tab CONFIG > SYSTEM:



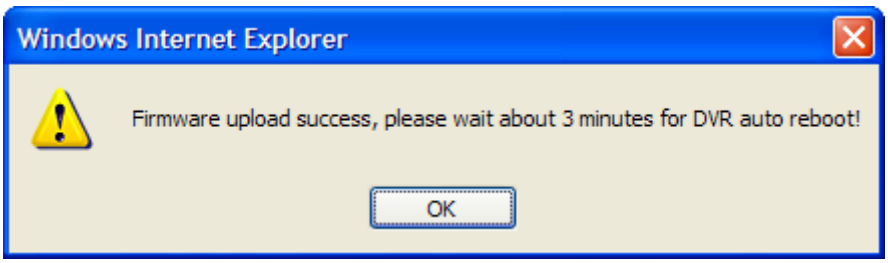
Click on "APPLY":



After confirming with Ok open select the correct FW file in*.etw format:



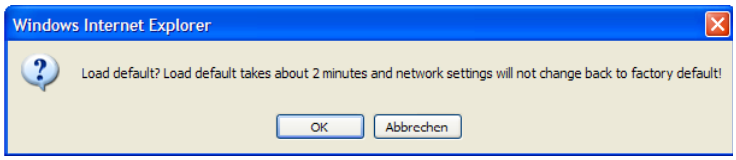
The update takes several minutes, after successful procedure appears following message:



Restart your Internet Explorer after min 3 minutes and proceed again to tab CONFIG > SYSTEM:

After updating firmware a loading of factory default settings is needed. IP and user settings will not be overwritten by loading default values.

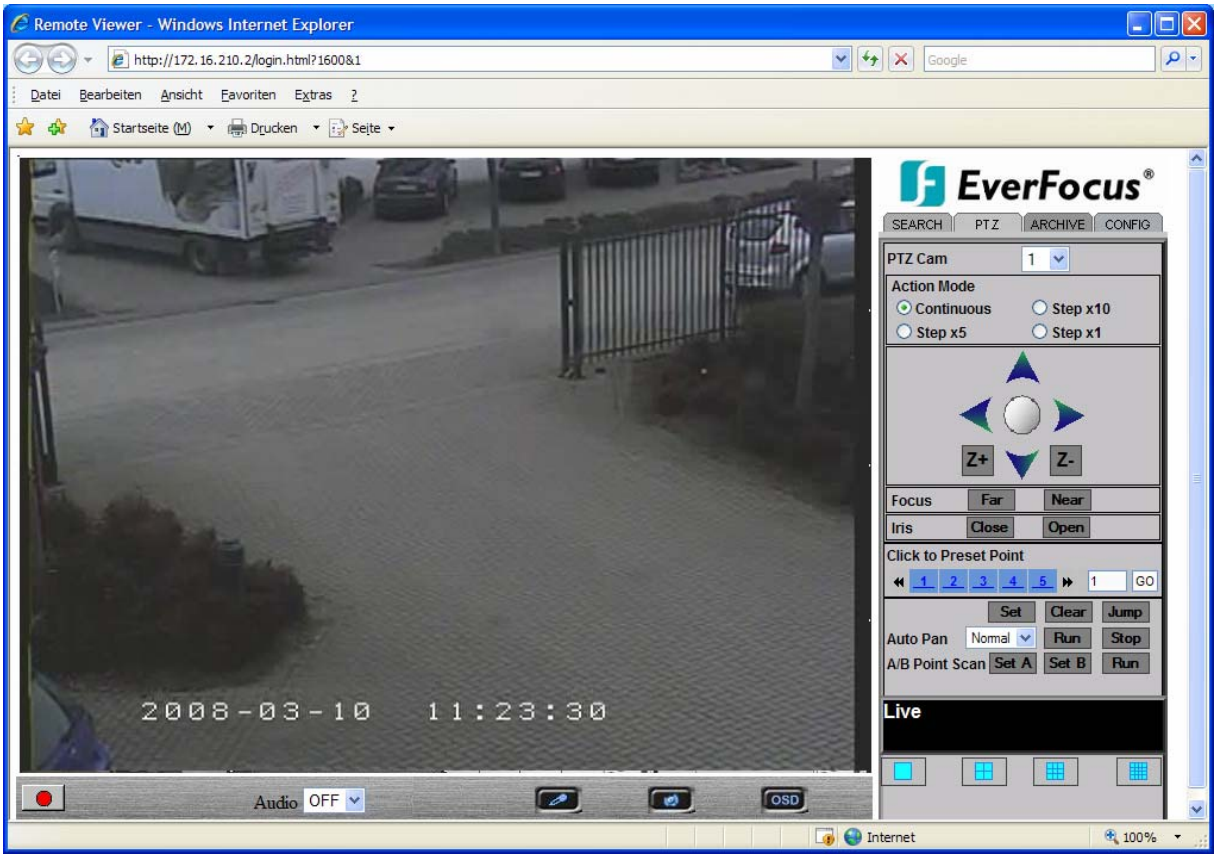
> Load Factory Default > APPLY


Windows Internet Explorer
Load default? Load default takes about 2 minutes and network settings will not change back to factory default!
OK
Abbrechen

Confirm with OK.
After successful loading appears following message:

NOTE: The remote firmware update requires a stable and fast network connection. An interrupt in firmware file transmission may corrupt the DVR. Do not use low bandwidth connections.

8. PTZ PTZ Tab



In mode "Continuous" the PTZ device will move as long, as long the button is pressed.

FW 1.65: Free EverFocus DDNS Service

Firmware version 1.65 supports the new free EverFocus DDNS service. It is possible to create a DDNS account directly from DVR. The name structure is [name].everfocusddns.com

Select in MENU > NETWORK > DDNS

- Select **EverFocus DDNS** service
- Enter in **DVR Name** the desired name for the IP adress:
  Example: myrecorder > the DVR will create an account with the IP-adress **myrecorder.everfocusddns.com**
- Press **SELECT** to check availability of name:
- The reponse "Name exists" means, the name is already registred for another DVR.
- The message "SUCCESS" shows, that the selected name was available, the account is registred now.

Note : The using of DDNS requires correct setting of IP basic setting incl. IP-address, subnet mask, gateway and DNS server!

Availability of names may also be checked in the internet under www.everfocusddns.com.